ATENT COOPERATION TRL .TY

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2)	Assistant Commissioner for Patents United States Patent and Trademark Office Box PCT Washington, D.C.20231 ETATS-UNIS D'AMERIQUE
Date of mailing (day/month/year) 15 May 2000 (15.05.00)	in its capacity as elected Office
International application No. PCT/US99/11497	Applicant's or agent's file reference PF-0525 PCT
International filing date (day/month/year) 25 May 1999 (25.05.99)	Priority date (day/month/year) 28 May 1998 (28.05.98)
Applicant	
LAL, Preeti et al	
in a notice effecting later election filed with the Inte	r 1999 (16.12.99)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer R. Forax Talanhara No.: (41,22) 338,83.38

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

. ATENT COOPERATION TRE. . iY

From the INTERNATIONAL BUREAU

U\$9911497

PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2)	Assistant Commissioner for Patents United States Patent and Trademark Office Box PCT Washington, D.C.20231 ETATS-UNIS D'AMERIQUE
Date of mailing (day/month/year) 09 May 2000 (09.05.00)	in its capacity as elected Office
International application No. PCT/US99/11497	Applicant's or agent's file reference PF-0525 PCT
International filing date (day/month/year) 25 May 1999 (25.05.99)	Priority date (day/month/year) 28 May 1998 (28.05.98)
Applicant LAL, Preeti et al	
1. The designated Office is hereby notified of its election made X in the demand filed with the International Preliminary 16 December 1	Examining Authority on: 1999 (16.12.99) Pational Bureau on: Iddate or, where Rule 32 applies, within the time limit under
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer R. Forax Telephone No.: (41-22) 338.83.38
Facsinine No., (41-22) /40.14.00	1150011497

Form PCT/IB/331 (July 1992)

PATENT COOPERATION TREAT **PCT**

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	(PCT Article 18 and Rules 43 and 44)	<u> </u>
pplicant's or agent's file reference	FOR FURTHER see Notification (Form PCT/ISA	n of Transmittal of International Search Report A/220) as well as, where applicable, item 5 below.
F-0525 PCT	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
ternational application No.		20/05/1009
CT/US 99/11497	25/05/1999	28/05/1998
pplicant		
ррпоал		
NCYTE PHARMACEUTICALS, I	NC. et al.	
NCTTE FILAMINOESTESTES,		
This International Search Report has bee according to Article 18. A copy is being to	en prepared by this International Searching A ransmitted to the International Bureau.	Authority and is transmitted to the applicant
This International Search Report consist	s of a total of sheets.	
This International Search Report consists	y a copy of each prior art document cited in t	this report.
1. Basis of the report		- basis of the international application in the
language in which it was lied, u	e international search was carried out on the nless otherwise indicated under this item.	
Tangaago	was carried out on the basis of a translation	n of the international application furnished to this
the international search Authority (Rule 23.1(b))	. Was carried out on the large	the international search
any pucleotide	and/or amino acid sequence disclosed in th	he international application, the international search
was carried out on the basis of	the sequence listing . ational application in written form.	
	nternational application in computer readable	e form.
filed together with the in	to this Authority in written form.	
=	Authority in computer readble form.	
	subsequently furnished written sequence list	ting does not go beyond the disclosure in the
international applicatio	n as filed has been furnished.	form in identical to the written sequence listing has been
the statement that the furnished	information recorded in computer readable to	form is identical to the written sequence listing has been
[V] outsin plaims wars	found unsearchable (See Box I).	
- - -	lacking (see Box II).	
3. X Unity of invention is	,	
4. With regard to the title,		
4. With regard to the tide; The text is approved a	s submitted by the applicant.	
the text has been esta	ablished by this Authority to read as follows:	
	•	
5. With regard to the abstract,	us and the season	
X the text is approved a	as submitted by the applicant.	Authority as it appears in Box III. The applicant may, arch report, submit comments to this Authority.
the text has been est within one month from	n the date of mailing of this international sea	arch report, submit comments to this Authority.
S The figure of the drawings to be	published with the abstract is Figure No.	
6. The figure of the drawings to be	applicant.	None of the figures.
I I as successed by the		
as suggested by the	nt failed to suggest a figure.	





(a - November of item 1 of first sheet)
Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
See FURTHER INFORMATION sheet PCT/ISA/210
2. X Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
See FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
Box II Observations where army of the Box II Observation where are also
See additional sheet.
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Claims 1-16, 19 (all partially)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

International Application No. PCT/US 99/11497

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 17, 18, 20

Claims 17, 18, 20 have not been searched due to insufficient disclosure of the claimed compounds.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is preliminary examination on matter which has not been searched following the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1-16, 19 (all partially)

A substantially purified polypeptide comprising amino acid sequence SEQ ID NO. 1 and fragments therof, a variant having at least 90% identity; an isolated and purified polynucleotide encoding said polypeptide; a variant of said polynucleotide having at least 90% identity; a polynucleotide which hybridizes under stringent conditions to said polynucleotide; a polynucleotide having a sequence which is complementary to said polynucleotide; a method for detecting a polynucleotide encoding said polypeptide; said method wherein the polynucleotide is amplified by applying PCR; an isolated and purified polynuceotide comprising polynucleotide sequence SEQ ID NO. 10 and fragments thereof, or a variant having at least 90% identity; a polynucleotide having a sequence which is complementary to said polynucleotide; an expression vector comprising at least a fragment of said polynucleotide; a host cell comprising said expression vector; a method for producing a polypeptide comprising amino acid sequence SEQ ID NO. 1; a pharmaceutical composition comprising said polypeptide in conjunction with a suitable pharmaceutical carrier; an antibody which specifically binds to said polypeptide.

2. Claims: 1-16, 19 (all partially)

Same as subject 1 but limited to SEQ ID NOS. 2 and 11.

3. Claims: 1-16, 19 (all partially)

Same as subject 1 but limited to SEQ ID NOS. 3 and 12.

4. Claims: 1-16, 19 (all partially)

Same as subject 1 but limited to SEQ ID NOS. 4 and 13.

5. Claims: 1-16, 19 (all partially)

Same as subject 1 but limited to SEQ ID NOS. 5 and 14.

6. Claims: 1-16, 19 (all partially)

Same as subject 1 but limited to SEQ ID NOS. 6 and 15.

7. Claims: 1-16, 19 (all partially)

Same as subject 1 but limited to SEQ ID NOS. 7 and 16.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

8. Claims: 1-16, 19 (all partially)

Same as subject 1 but limited to SEQ ID NOS. 8 and 17.

9. Claims: 1-16, 19 (all partially)

Same as subject 1 but limited to SEQ ID NOS. 9 and 18.

page 2 of 2

INTERNATIONAL SEARCH REPORT



International Application No T/US 99/11497

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 C12N15/12 C07K14/47 CO7K16/18

A61K38/17

G01N33/68

C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 6} & \mbox{C07K} & \mbox{C12N} & \mbox{A61K} & \mbox{G01N} & \mbox{C12Q} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

	NTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
ategory °	Citation of document, with indication, whose 4-page 1	
X	WO 98 20023 A (INST MEDICAL W & E HALL; VINEY ELIZABETH M (AU); STARR ROBYN (AU);) 14 May 1998 (1998-05-14) see SEQ ID NO: 24-27 (pp. 142-147) see the claims abstract; examples 5-8,11,18-24,28; table 7.1 page 4 -page 5 page 17 -page 18 page 33	1-16,19

"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
21 September 1999	1 3. 01. 00
Name and mailing address of the ISA	Authorized officer
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Oderwald, H

3

Further documents are listed in the continuation of box C.

INTERNATIONAL SEARCH REPORT

International Application No PCT/US 99/11497

		C1/US 99/1149/
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages	nelevant to dialm No.
X	DATABASE EMEST16 [Online] EMBL, Heidelberg, Germany AC: AA401503, ID: HS1200297, 29 April 1997 (1997-04-29) HILLIER L ET AL.: "Homo sapiens cDNA clone 742641" XP002115960 abstract	3-13
X	WO 92 19734 A (INDIANA UNIVERSITY FOUNDATION; UNIV YALE (US)) 12 November 1992 (1992-11-12) see SEQ ID NO: 33 and 34 (pp.145-151) abstract; claims 1,21,31,33,63-65,75,84,95,99,103,111,119; figure 24 page 17 -page 19	3-14,16
A	D J HILTON ET AL: "Twenty proteins containing a C-terminal SOCS box form five structural classes" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 95, 1 January 1998 (1998-01-01), pages 114-119, XP002085497 ISSN: 0027-8424 cited in the application the whole document	

3

INTERNATIONAL SEARCH REPORT

ation on patent family members

International Application No

					Publication
Patent document		Publication date		tent family ember(s)	date
cited in search report W0 9820023	A	14-05-1998	AU EP GB NO	4694397 A 0948522 A 2331753 A 992116 A	29-05-1998 13-10-1999 02-06-1999 29-06-1999
WO 9219734	Α	12-11-1992	AU AU CA EP EP EP US US US	675203 B 1919792 A 2102208 A 0576623 A 0933082 A 0930365 A 0930366 A 7503123 T 5648464 A 5849869 A 5856441 A 5789195 A	30-01-1997 21-12-1992 12-11-1992 05-01-1994 04-08-1999 21-07-1999 06-04-1995 15-07-1997 15-12-1998 05-01-1999

1409 | 701232 1 SOLO



PATENT COOPERATION TREATY

PCT

NEC'D 27	APR 2001
TARTEO	i - (1)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	(101		
			cation of Transmittal of International
licant's or agent's file reference F-0525PCT	FOR FURTHER ACTION	Prelimina	iry Examination Report
	International filing date (day/	month/year)	Priority date (any) monthly than
ernational application No.	25 MAY 1999		28 MAY 1998
CT/US99/11497 ernational Patent Classification (IP)	C) or national classification and I	PC	
ernational Patent Classification (11. 60C(7): C07K 2/00 and US Cl.: 556	3/23.1; 435/6, 320.1		
plicant NCYTE PHARMACEUTICAL			
This international prelim Examining Authority and	ninary examination report has is transmitted to the applican	been prepa t according t	ared by this International Preliminary to Article 36.
	sheets.		
9. This REPORT consists of This report is also accompanded and are (see Rule 70.16 and S		neets of the de sheets contain Instructions	scription, claims and/or drawings which have ing rectifications made before this Authority. under the PCT).
These annexes consist of a	total of sheets.		
3. This report contains indica	tions relating to the following	items:	
I X Basis of the			
II Priority			luctrial applicability
III X Non-establis	nment of report with regard to	novelty, inv	entive step or industrial applicability
IV Lack of unit	y of invention		in Ametrical applicability.
V X Reasoned state citations and c	ement under Article 35(2) with a explanations supporting such sta	regard to nove tement	elty, inventive step or industrial applicability;
VI Certain docum	ents cited		
VII Certain defect	s in the international application	1	
VIII Certain obser	vations on the international appl	ication	
į			
			_
		Date of comp	eletion of this report
Date of submission of the demand			
16 DECEMBER 1999		09 APRI	
Name and mailing address of the	IPEA/US	Authorized o	obinson Budger for
Name and mailing address of the	d Trademarks	HØBE R	OBINSON
Box PCT Washington, D.C. 20231	_	Telephone N	/\
Facsimile No. (703) 305-3230		1 elephone 1	(100) 000 000

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International	application	No.

PCT/US99/11497

. With regard to the est	ements of the international application:*	
X the internation	nal application as originally filed	
x the description	n:	, as originally filed filed with the demand
De gee	1-67	, filed with the demand
pages	NONE	with the letter of, med with the common
pages	NONE , med	With the letter of
the claims:		
	68-69	, as originally filed
pages	NONE , as an	mended (together with any statement) under Article 19
pages		,
pages	NONE , filed with the le	etter of
X the drawing	S:	, as originally filed filed with the demand
pages	NONE	, filed with the demand
pages	NONE filed	with the letter of
pages	NONE	-
the sequence	e listing part of the description:	as originally filed
	1-19	, as originally filed , filed with the demand
pages	NONE filed	, med with the delivery
nages	NONE	with the letter of
These elements w	pere available or furnished to this Authority in the of a translation furnished for the purp	oses of international search (under Rule 23.1(b)).
These elements w	were available or furnished to this Authority in the of a translation furnished for the purp	oses of international search (under Rule 23.1(b)).
These elements w the language the language the language	were available or furnished to this Authority in the of a translation furnished for the purp the of publication of the international app the of the translation furnished for the purpose.	oses of international search (under Rule 23.1(b)). osition (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and
the international the international the language the language the language	were available or furnished to this Authority in the of a translation furnished for the purp the of publication of the international app the of the translation furnished for the purpose.	oses of international search (under Rule 23.1(b)). osication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and
the international at These elements we the language the language or 55.3).	were available or furnished to this Authority in the of a translation furnished for the purpose of publication of the international appearance of the translation furnished for the purpose.	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international
the international at These elements we the language of 55.3). With regard to preliminary experiments at the international at the language of 55.3.	were available or furnished to this Authority in the of a translation furnished for the purpose of publication of the international appear of the translation furnished for the purpose any nucleotide and/or amino acid sequent amination was carried out on the basis of	oses of international search (under Rule 23.1(b)). olication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing:
the international at These elements we the language of 55.3). 3. With regard to preliminary example of the language of the la	were available or furnished to this Authority in were available or furnished to this Authority in the of a translation furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printering.	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing:
the international of These elements we the language of 55.3). 3. With regard to preliminary example of the language of the language of 55.3.	were available or furnished to this Authority in we of a translation furnished for the purpose of publication of the international application furnished for the purpose any nucleotide and/or amino acid sequent amination was carried out on the basis of in the international application in printernational application in	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form.
the international at These elements we the language of 55.3). 3. With regard to preliminary example of the language of the language of 55.3.	were available or furnished to this Authority in were available or furnished to this Authority in the of a translation furnished for the purpose of the translation furnished for the purposes any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer ther with the international application in subsequently to this Authority in written	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form.
the international of the language of 55.3). 3. With regard to preliminary example of the language of the language of 55.3.	were available or furnished to this Authority in were available or furnished to this Authority in the of a translation furnished for the purpose of the translation furnished for the purposes any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer with the international application in subsequently to this Authority in written	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form.
the international of These elements with the language of 55.3). 3. With regard to preliminary experiments of filed toget furnished furnished The statem	were available or furnished to this Authority in were available or furnished to this Authority in the of a translation furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer with the international application in subsequently to this Authority in written subsequently to this Authority in computation that the subsequently furnished written that the subsequently furnished written	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. a form. there readable form. In sequence listing does not go beyond the disclosure in the
the international of the language of 55.3). 3. With regard to preliminary experiments with the language of 55.3. 3. With regard to preliminary experiments with the language of 55.3. 3. With regard to preliminary experiments with the statem internation. The statem internation.	were available or furnished to this Authority in were available or furnished to this Authority in the of a translation furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer with the international application in subsequently to this Authority in written subsequently to this Authority in computation that the subsequently furnished written al application as filed has been furnished.	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. a form. ter readable form. n sequence listing does not go beyond the disclosure in the
the international of These elements with the language of 55.3). 3. With regard to preliminary experiments with the language of 55.3. 3. With regard to preliminary experiments with the second to th	were available or furnished to this Authority in the of a translation furnished for the purpose of the translation furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer with the international application in subsequently to this Authority in written subsequently to this Authority in computant that the subsequently furnished written al application as filed has been furnished that the information recorded in computathed.	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. In form. Inter readable form. In sequence listing does not go beyond the disclosure in the er readable form is identical to the writen sequence listing has
the international These elements with the language of 55.3). 3. With regard to preliminary example of the furnished of the statem internation the statem been furnished.	were available or furnished to this Authority in we of a translation furnished for the purpose of publication of the international application furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer with the international application in subsequently to this Authority in written subsequently to this Authority in computant that the subsequently furnished written al application as filed has been furnished. The that the information recorded in computation that the information recorded in computation and the cancellation	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. iter readable form. In sequence listing does not go beyond the disclosure in the er readable form is identical to the writen sequence listing has
the international of the language of 55.3). 3. With regard to preliminary except furnished furn	were available or furnished to this Authority in we of a translation furnished for the purpose of publication of the international application furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer with the international application in subsequently to this Authority in written subsequently to this Authority in computent that the subsequently furnished written al application as filed has been furnished. The proposed the purpose and purp	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. iter readable form. In sequence listing does not go beyond the disclosure in the er readable form is identical to the writen sequence listing has
the international These elements with the language of the language or 55.3). 3. With regard to preliminary example of the language of the lan	were available or furnished to this Authority in we of a translation furnished for the purpose of publication of the international application furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer with the international application in subsequently to this Authority in written subsequently to this Authority in computent that the subsequently furnished written al application as filed has been furnished. The proposed that the information recorded in computation that the information recorded in computation description, pages	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. In form. Inter readable form. In sequence listing does not go beyond the disclosure in the er readable form is identical to the writen sequence listing has
the international These elements with the language of 55.3). 3. With regard to preliminary example of the tanguage of 55.3. 3. With regard to preliminary example of the tanguage of 55.3. 3. With regard to preliminary example of the tanguage of 55.3. 4. The statem internation of the statem internation of the tanguage of t	vere available or furnished to this Authority in vere available or furnished to this Authority in vere available or furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer with the international application in subsequently to this Authority in written subsequently to this Authority in computant that the subsequently furnished written al application as filed has been furnished. The that the information recorded in computathed andments have resulted in the cancellation description, pages NONE NONE	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. a form. there readable form. In sequence listing does not go beyond the disclosure in the er readable form is identical to the writen sequence listing has an of:
the international These elements with the language of 55.3). 3. With regard to preliminary excess X contained X filed toget furnished Internation The statem internation been furnished X the X the X the	vere available or furnished to this Authority in vere available or furnished to this Authority in vere available or furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer her with the international application in subsequently to this Authority in written subsequently to this Authority in computent that the subsequently furnished written al application as filed has been furnished. The information recorded in computathed and the information recorded in computathed. The information is a subsequently furnished written and application, as filed has been furnished. The information recorded in computathed. The information is a subsequently furnished written and application, as filed has been furnished. The information recorded in computathed. The information is a subsequently furnished written and application, as filed has been furnished. The information is a subsequently furnished written and application, as filed has been furnished. The information is a subsequently furnished written and application, as filed has been furnished. The information is a subsequently furnished written and application as filed has been furnished. The information is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and application in printer is a subsequently furnished written and applicat	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. In form. In readable form is identical to the writen sequence listing has an of:
the international These elements with the language of 55.3). 3. With regard to preliminary example of the statem internation the statem	were available or furnished to this Authority in the of a translation furnished for the purpose of the translation furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer that the international application in subsequently to this Authority in written subsequently to this Authority in computant that the subsequently furnished written al application as filed has been furnished. The that the information recorded in computant that the information recorded in the cancellation description, pages NONE The displacements as filed as indicated in the Supanticated in	oses of international search (under Rule 23.1(b)). Solication (under Rule 48.3(b)). Is of international preliminary examination (under Rules 55.2 and need disclosed in the international application, the international the sequence listing: If orm. It computer readable form. In sequence listing does not go beyond the disclosure in the er readable form is identical to the writen sequence listing has an of: In of: I
the international These elements with the language of the language of 55.3). 3. With regard to preliminary example of the language of 55.3. 3. With regard to preliminary example of the language of 55.3. 3. With regard to preliminary example of the language of 55.3. 4. X The statem internation of the statem internation of the language of the language of 55. The statem internation of the language of the language of the language of 55. The statem internation of the language of the language of the language of 55. The statem internation of the language of 55. The statem internati	were available or furnished to this Authority in the of a translation furnished for the purpose of the translation furnished for the purpose of the translation furnished for the purpose any nucleotide and/or amino acid sequer amination was carried out on the basis of in the international application in printer there with the international application in printer with the international application in subsequently to this Authority in written subsequently to this Authority in computent that the subsequently furnished written al application as filed has been furnished written and application as filed has been furnished written that the information recorded in computation description, pages NONE claims, Nos. NONE drawings, sheets/fig NONE thas been drawn as if (some of) the amendrate discourse as filed, as indicated in the Superish and are not annexed to some or some and the superish filed and are not annexed to see the superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and are not annexed to the receiving a superish and the superish and	oses of international search (under Rule 23.1(b)). blication (under Rule 48.3(b)). s of international preliminary examination (under Rules 55.2 and the disclosed in the international application, the international the sequence listing: d form. computer readable form. a form. ther readable form. In sequence listing does not go beyond the disclosure in the er readable form is identical to the writen sequence listing has an of: ———————————————————————————————————

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US99/11497

		1 174
III.	Non-	establishment of opinion with regard to novelty, inventive step and industrial applicability
		establishment of opinion with regions. Sections whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be setions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be setions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be setions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be setions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be setions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be setions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be setions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be set of the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be set of the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be set of the claimed invention appears to be novel, the claimed invention appears to be not obtained invention appears to be novel.
	י כ	the entire international application.
	x (claims Nos. <u>17, 18 and 20</u>
[_	because: the said international application, or the said claim Nos relate to the following subject matter which does not require international preliminary examination (specify).
		the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify).
		microsa success 2 2 2 2
		the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.
	<u> </u>	the bar established for said claims Nos. 17, 18 and 20.
	2. A	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid equence listing to comply with the standard provided for in Annex C of the Administrative Instructions:
	Г	The standard of the pot been furnished or does not comply with the standard.
		the written form has not been furnished or does not comply with the standard. the computer readable form has not been furnished or does not comply with the standard.
	1	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US99/11497

statement			
	Claims	NONE	YES
Novelty (N)	Claims	1-16, 19	NO
	Claims	NONE	YES
Inventive Step (IS)	Claims	1-16, 19	NO
	OI - l-na	1-16, 19	YE
Industrial Applicability (IA)	Claims Claims	NONE	NO
Viney discloses molecules that mo at least 90% identity with nucleic acid and a diagnostics (see abstract and pages 142-147 comprising a SOCS box in its C-terminal a abstract and examples 5-8, 11, 18-24 and 2 Claims 3-14 and 16 lack an inventive st FOUNDATION (WO 92/19734). The rewhich have a 90% identity to the sequence teaches fragments, vectors, a recombinant 33, 63-65, 75, 81, 82, 84, 95, 99, 103, 111,	mino acid seque 7). In addition, region, a metho 15-29, pages 4-6 rep under PCT ference teacher s disclosed in a	d of use for modulating cytokines s , 17-19 and 33). Article 33(3) as being obvious of a nucleic acid and amino acid sequ ne instant application (see pages 146 and of producing the protein and an	stringent conditions, a protein ignal transduction (see claims ver INDIANA UNIVERSIT) tence (SEQ ID NO: 33 and 34
Viney discloses molecules that most at least 90% identity with nucleic acid and a diagnostics (see abstract and pages 142-147 comprising a SOCS box in its C-terminal abstract and examples 5-8, 11, 18-24 and 2 Claims 3-14 and 16 lack an inventive st FOUNDATION (WO 92/19734). The result of the sequence which have a 90% identity to the sequence	mino acid seque 7). In addition, region, a metho 15-29, pages 4-6 tep under PCT ference teaches 8 disclosed in t host cell, a met 112-115 and 1	nces disclosed in the instant applicated Viney teaches hybridization under dof use for modulating cytokines so the second of the second second second and amino acid sequences instant application (see pages 144) and of producing the protein and an and and of producing the protein and and second second second of producing the protein and and second of producing the protein and and second secon	stringent conditions, a protein ignal transduction (see claims ver INDIANA UNIVERSIT) tence (SEQ ID NO: 33 and 34
Viney discloses molecules that most least 90% identity with nucleic acid and a diagnostics (see abstract and pages 142-147 comprising a SOCS box in its C-terminal substract and examples 5-8, 11, 18-24 and 2 Claims 3-14 and 16 lack an inventive st FOUNDATION (WO 92/19734). The result of the sequence teaches fragments, vectors, a recombinant 33, 63-65, 75, 81, 82, 84, 95, 99, 105, 111, NEW CITATIONS ——	mino acid seque 7). In addition, region, a metho 15-29, pages 4-6 tep under PCT ference teaches 8 disclosed in t host cell, a met 112-115 and 1	nces disclosed in the instant applicated Viney teaches hybridization under dof use for modulating cytokines so the second of the second second second and amino acid sequences instant application (see pages 144) and of producing the protein and an and and of producing the protein and and second second second of producing the protein and and second of producing the protein and and second secon	stringent conditions, a protein ignal transduction (see claims ver INDIANA UNIVERSITY ence (SEQ ID NO: 33 and 34